

[Name of Document]

ABSTRACT

[Abstract]

[Object] To provide a method for implementing a multi-level display of an electro-optical device according to a time ratio gray-scale method without providing resetlines.

[Solving Means] In an electro-optical device comprising, at an intersection of a scanning line and a data line, an electro-optical element, a driving transistor for driving the electro-optical element, and a switching transistor for controlling the driving transistor, a gray-scale is obtained by performing a plurality of set-reset operations, each set-reset operation comprising: a setting step of supplying an on-signal to the switching transistor via the scanning line, and of supplying a set signal for selecting a conducting state or a non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with the one signal; and a resetting step of supplying an on-signal to the switching transistor via the scanning line, and of supplying a reset signal for selecting the non-conducting state of the driving transistor to the driving transistor via the data line and the switching transistor in accordance with the one signal.

[Selected Figure]

Fig. 3